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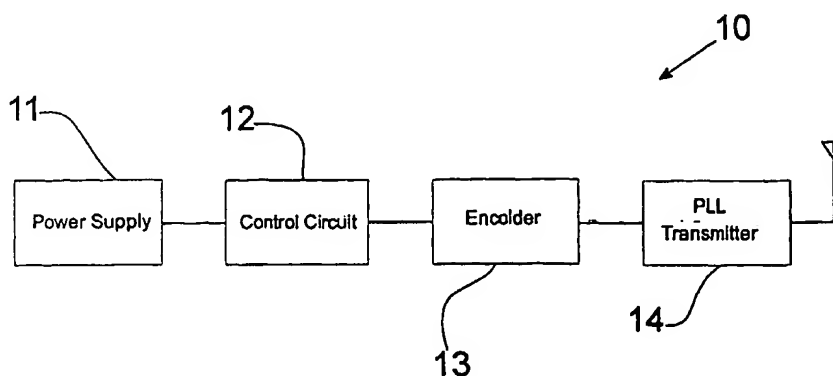
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(54) Title: AN ELECTRONIC DISTANCING ALERT SYSTEM AND A PROCESS FOR GENERATING PHASE SYNCHRONISM



(57) **Abstract:** One describes an electronic distancing alert system comprising: (i) a transmitting unit (10) positioned on a first body and comprising an encoder (13) associated with a signal modulating and transmitting circuit (14); and (ii) a receiving unit (20) positioned on a second body and comprising a signal receiving and demodulating circuit (24) associated with a decoder (23); the encoder (13) and the signal modulating and transmitting circuit (14) generating and transmitting an identifying code associated with a carrier wave, the identifying code being received by the receiving and demodulating circuit (24) and recognized by the decoder (23), which actuates a triggering circuit (27) upon distancing between the first body and the second body and absence of reception of the identifying code, the encoder (13) generating a plurality of identifying codes combinable with a plurality of different generation frequencies, which are transmitted and received in different fractions of time and in phase synchronism between the transmitting unit (10) and the receiving unit (20). It is also described a process of generating phase synchronism between a transmitting unit (10) and a receiving unit (20) of an electronic distancing alert system, the process comprising the following steps: A) positioning the transmitting unit (10) and the receiving unit (20) connected and close to each other; B) closing a key (CH1) for a determined period of time; C) actuating a memory circuit (25); D) opening the key (CH1).

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